

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005



10/31/83
A2575-1

weekly statistical bulletin

STATISTICS DEPARTMENT

VOL. 64 For Week Ended OCTOBER 21, 1983

NO. 42

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 10/21/83	Last Week Ending: 10/14/83	Last Year Week Ending: 10/22/82		Change From Last Week		Change From Last Year
<u>Refinery Operations</u>							
Input to crude oil distillation units *	11,994	12,095	11,889	-	101	+	105
Operable capacity	16,309	16,309	16,663		0	-	354
Percent operated	73.5	74.2	71.3				
<u>Motor Gasoline</u>							
Total motor gasoline production	6,043	6,266	6,207	-	223	-	164
Finished leaded motor gasoline production	2,556	2,746	N/A	-	190		N/A
Finished unleaded motor gasoline production	3,487	3,520	N/A	-	33		N/A
Total motor gasoline stocks	229,790	230,076	233,194	-	286	-	3,404
Finished leaded motor gasoline stocks	95,095	97,056	N/A	-	1,961		N/A
Finished unleaded motor gasoline stocks	94,818	94,460	96,769	+	358	-	1,951
<u>Distillate Fuel Oil</u>							
Distillate fuel oil production	2,728	2,637	2,890	+	91	-	162
Distillate fuel oil stocks	164,003	159,641	169,590	+	4,362	-	5,587
<u>Residual Fuel Oil</u>							
Residual fuel oil production	673	747	1,046	-	74	-	373
Residual fuel oil stocks	49,200	48,717	60,746	+	483	-	11,546
<u>Imports</u>							
Crude oil imports	3,674	3,340	3,758	+	334	-	84
Product imports	1,952	1,884	1,260	+	68	+	692
<u>Crude Oil Stocks</u>							
Crude oil stocks	349,980	350,524	351,321	-	544	-	1,341

* SCHEDULED AND UNSCHEDULED SHUTDOWNS CAUSED A DECREASE OF 167,000 BBL. PER DAY
IN THE TEXAS GULF COAST DISTRICT.

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 682-8516

NA-Not Available

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U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Oper- ated
East Coast	1,007	843	877	1,229	71.4
Appal. No. 1	88	85	86	177	48.6
DISTRICT 1 TOTAL	1,095	928	963	1,406	68.5
Appal. No. 2	65	63	64	66	97.0
Ind., Ill., Ky.	1,958	1,858	1,893	2,345	80.7
Minn., Wis., Daks.	199	192	197	296	66.6
Okla., Kans., Mo.	668	591	611	827	73.9
DISTRICT 2 TOTAL	2,890	2,704	2,765	3,534	78.2
Inland Texas	561	493	500	585	85.5
Texas Gulf Coast	3,297	2,882	3,034	3,907	77.7
La. Gulf Coast	1,951	1,858	1,873	2,890	64.8
N. La. and Ark.	189	174	186	286	65.0
New Mexico	95	75	77	105	73.3
DISTRICT 3 TOTAL	6,093	5,482	5,670	7,773	72.9
DISTRICT 4 TOTAL	424	421	426	536	79.5
DISTRICT 5 TOTAL	2,176	2,144	2,170	3,060	70.9
TOTAL U.S.	12,678	11,679	11,994	16,309	73.5
TOTAL U.S.					
Weeks Ended:					
OCT. 14, 1983	12,630	11,844	12,095	16,309	74.2
OCT. 22, 1982	12,813	11,522	11,889	16,663	71.3
DISTRICTS 1-4					
Weeks Ended:					
OCT. 21, 1983	10,502	9,535	9,824	13,249	74.1
OCT. 14, 1983	10,660	9,851	10,087	13,249	76.1
OCT. 22, 1982	10,752	9,676	9,986	13,580	73.5

API WEEKLY STATISTICAL BULLETIN
Week Ended **OCTOBER 21, 1983**

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	445	139	306	4	28	232	60
Appal. No. 1	27	14	13	2	--	28	4
DISTRICT 1 TOTAL	472	153	319	6	28	260	64
Appal. No. 2	39	18	21	--	--	18	3
Ind., Ill., Ky.	1,042	463	579	13	132	387	42
Minn., Wis., Daks.	102	57	45	1	21	42	9
Okla., Kans., Mo.	428	224	204	12	17	170	12
DISTRICT 2 TOTAL	1,611	762	849	26	170	617	66
Inland Texas	311	153	158	28	21	130	19
Texas Gulf Coast	1,429	467	962	17	187	777	172
La. Gulf Coast	943	392	551	7	202	407	78
N. La. and Ark.	58	21	37	1	--	55	9
New Mexico	32	15	17	3	1	25	2
DISTRICT 3 TOTAL	2,773	1,048	1,725	56	411	1,394	280
DISTRICT 4 TOTAL	199	129	70	10	14	112	9
DISTRICT 5 TOTAL	988	464	524	34	237	345	254
TOTAL U.S.	6,043	2,556	3,487	132	860	2,728	673
TOTAL U.S.							
Weeks Ended:							
<i>OCT. 14, 1983</i>	6,266	2,746	3,520	168	826	2,637	747
<i>OCT. 22, 1982</i>	6,207	N/A	N/A	179	849	2,890	1,046
DISTRICTS 1-4							
Weeks Ended:							
<i>OCT. 21, 1983</i>	5,055	2,092	2,963	98	623	2,383	419
<i>OCT. 14, 1983</i>	5,338	2,339	2,999	127	637	2,304	479
<i>OCT. 22, 1982</i>	5,303	N/A	N/A	136	640	2,579	696

¹Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.

²Includes Grade No. 4 fuel oil.

NA-Not Available

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline			Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,179	2,755	2,423	1	80	570	13,535	2,765	--
Central Atlantic	29,209●	11,900●	12,230	5,079	239	5,037	44,378	17,967●	15,336
Lower Atlantic	28,732●	14,713●	13,539●	480	115	3,927	15,056	2,939	609
DISTRICT 1 TOTAL	63,120●	29,368●	28,192●	5,560	434	9,534	72,969	23,671●	15,945
DISTRICT 2 TOTAL	65,175●	29,975	28,265●	6,935	1,720	8,337●	40,279	3,734	17,662
DISTRICT 3 TOTAL	68,377	23,829	26,702	17,846	2,701	11,727	37,390	12,855	53,175●
DISTRICT 4 TOTAL	5,966	2,959	1,649	1,358	324	669	2,446	755	2,941
DISTRICT 5 TOTAL	27,152	8,964	10,010	8,178	1,902	6,042	10,919	8,185	23,593
TOTAL U.S.	229,790	95,095	94,818	39,877	7,081	36,309	164,003	49,200	113,316
TOTAL U.S.									
Weeks Ended:									
OCT. 14, 1983	230,076●	97,056●	94,460●	38,560	6,870	36,161●	159,641	48,717●	113,216●
OCT. 22, 1982	233,194	N/A	96,769	N/A	6,295	34,140	169,590	60,746	114,396
DISTRICTS 1-4									
Weeks Ended:									
OCT. 21, 1983	202,638	86,131	84,808	31,699	5,179	30,267	153,084	41,015	89,723
OCT. 14, 1983	203,069●	88,365●	84,119●	30,585	5,087	30,338●	148,904	39,953●	90,127●
OCT. 22, 1982	205,212	N/A	86,620	N/A	4,974	28,328	159,670	51,116	89,539

¹Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

²Includes Grade No. 4 fuel oil.

● SEE REVISIONS ON PAGE 7.

NA-Not Available

WEEKLY STATISTICAL BULLETIN
Week Ended **OCTOBER 21, 1983**

**ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE),
IMPORTS AND STOCKS OF CRUDE OIL**

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production ¹		Crude Oil Imports ¹		Crude Oil Stocks By Location ¹
	API Monthly	Latest Dept. of Energy MAY 1983	Total	From Canada	
----- Daily Average -----					
DISTRICTS 1-4 TOTAL					
OCT. 21, 1983	5,836.0	5,828.0	3,401	273	262,425
OCT. 14, 1983	5,836.0	--	3,120	280	264,285●
OCT. 7, 1983	5,830.0	--	3,063	237	265,874
SEP. 30, 1983	5,830.0	--	3,777	227	264,192
DISTRICT 5 TOTAL					
OCT. 21, 1983	2,855.5	2,787.0	273	8	87,555 *
OCT. 14, 1983	2,855.5	--	220	--	86,239●
OCT. 7, 1983	2,850.1	--	220	--	83,576
SEP. 30, 1983	2,850.1	--	96	8	83,336
*INCLUDES 30,403 BBLs. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.					
TOTAL U.S.					
OCT. 21, 1983	8,691.5	8,615.0	3,674	281	349,980 *
OCT. 14, 1983	8,691.5	--	3,340	280	350,524●
OCT. 7, 1983	8,680.1	--	3,283	237	349,450
SEP. 30, 1983	8,680.1	--	3,873	235	347,528
OCT. 22, 1982	8,683.6/A	--	3,758	129	351,321
/A - DOE ACTUAL FOR OCTOBER 1982.					

LOCATION OF CRUDE OIL STOCKS¹

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1-4	District 5	Total U.S.
Weeks Ended:							
OCT. 21, 1983	15,366	78,246	156,567	12,246	262,425	87,555 *	349,980 *
OCT. 14, 1983	14,348	77,396●	160,072●	12,469	264,285●	86,239●	350,524●
OCT. 22, 1982	19,377	69,001	154,610	11,791	254,779	96,542	351,321

¹See definitional notes, Page 6.

● SEE REVISIONS ON PAGE 7.

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	L.P.G.	Unfinished Oil ³	Other	Total
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type						
New England	56	21	35	--	--	22	119	--	--	--	197
Central Atlantic	159	79	80	--	53	230	575	2	71	233	1,323
Lower Atlantic	--	--	--	--	--	--	84	--	--	--	84
DISTRICT 1 TOTAL											
OCT. 21, 1983	215	100	115	--	53	252	778	2	71	233	1,604
OCT. 14, 1983	199	43	156	--	10	389	723	18	110	47	1,496
OCT. 7, 1983	261	143	118	--	37	228	744	5	86	118	1,479
SEP. 30, 1983	261	146	115	--	8	181	607	3	85	43	1,188
DISTRICTS 2-4 TOTAL											
OCT. 21, 1983	3	3	--	--	6	20	56	62	87	44	278
OCT. 14, 1983	3	3	--	--	6	20	36	40	10	144	259
OCT. 7, 1983	3	3	--	--	6	15	27	99	116	39	305
SEP. 30, 1983	34	34	--	--	10	3	27	96	99	55	324
DISTRICT 5 TOTAL											
OCT. 21, 1983	20	10	10	--	2	5	18	13	2	10	70
OCT. 14, 1983	22	11	11	--	2	4	47	15	19	20	129
OCT. 7, 1983	28	17	11	--	2	5	26	8	2	10	81
SEP. 30, 1983	43	22	21	--	3	5	54	14	8	37	164
TOTAL U.S.	238	113	125	--	61	277	852	77	160	287	1,952
TOTAL U.S.											
Weeks Ended:											
OCT. 14, 1983	224	57	167	--	18	413	806	73	139	211	1,884
OCT. 7, 1983	292	163	129	--	45	248	797	112	204	167	1,865
SEP. 30, 1983	338	202	136	--	21	189	688	113	192	135	1,676
OCT. 22, 1982	167	N/A	71	16	14	124	706	140	76	7	1,260

¹Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

²Includes Grade No. 4 fuel oil.

³See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District I is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.

Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subsequent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.

The Total of crude oil imports includes receipts from Canada.

Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.

Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

10/14/83

REVIEWS

PAGE 3

TOTAL MGAS

CENTRAL ATLANTIC 30,763
LOWER ATLANTIC 28,070
DISTRICT 1 TOTAL 64,564
DISTRICT 2 TOTAL 65,309
TOTAL U.S. 230,076

LEADED MGAS

DISTRICTS 1-4 203,069
CENTRAL ATLANTIC 13,350
LOWER ATLANTIC 14,616
DISTRICT 1 TOTAL 30,958
TOTAL U.S. 97,056

UNLEADED MGAS

DISTRICTS 1-4 88,365
LOWER ATLANTIC 13,025
DISTRICT 1 TOTAL 28,226
DISTRICT 2 TOTAL 29,476
TOTAL U.S. 94,460

KEROSINE JET

DISTRICTS 1-4 84,119
DISTRICT 2 TOTAL 7,802
TOTAL U.S. 36,161
DISTRICTS 1-4 30,338

RESIDUAL FUEL

CENTRAL ATLANTIC 17,189
DISTRICT 1 TOTAL 22,911
TOTAL U.S. 48,717
DISTRICTS 1-4 39,953

UNFINISHED OILS

DISTRICT 3 TOTAL 53,565
TOTAL U.S. 113,216
DISTRICTS 1-4 90,127

PAGE 4 TOP

CRUDE OIL STOCKS

DISTRICTS 1-4 TOTAL 264,285
DISTRICT 5 TOTAL 86,239
TOTAL U.S. 350,524

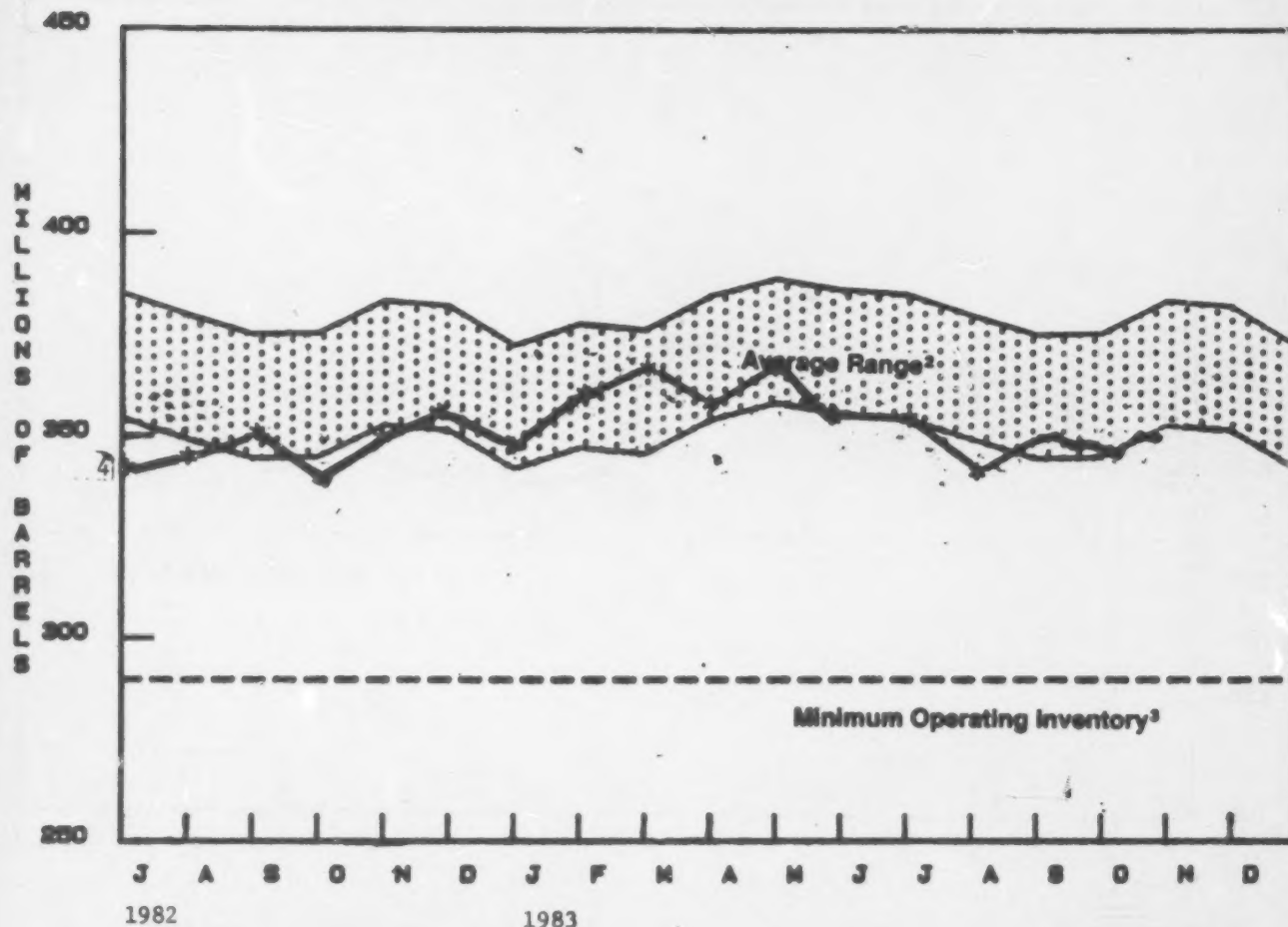
PAGE 4 BOTTOM

TOTAL
TOTAL
TOTAL
TOTAL
TOTAL

PAD DISTRICT 2 77,396
PAD DISTRICT 3 160,072
TOTAL PAD DISTRICTS 1-4 264,285
PAD DISTRICT 5 86,239
TOTAL U.S. 350,524

Week Ended October 21, 1983

Crude Oil Stocks at Primary Level¹ ⁵



¹Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

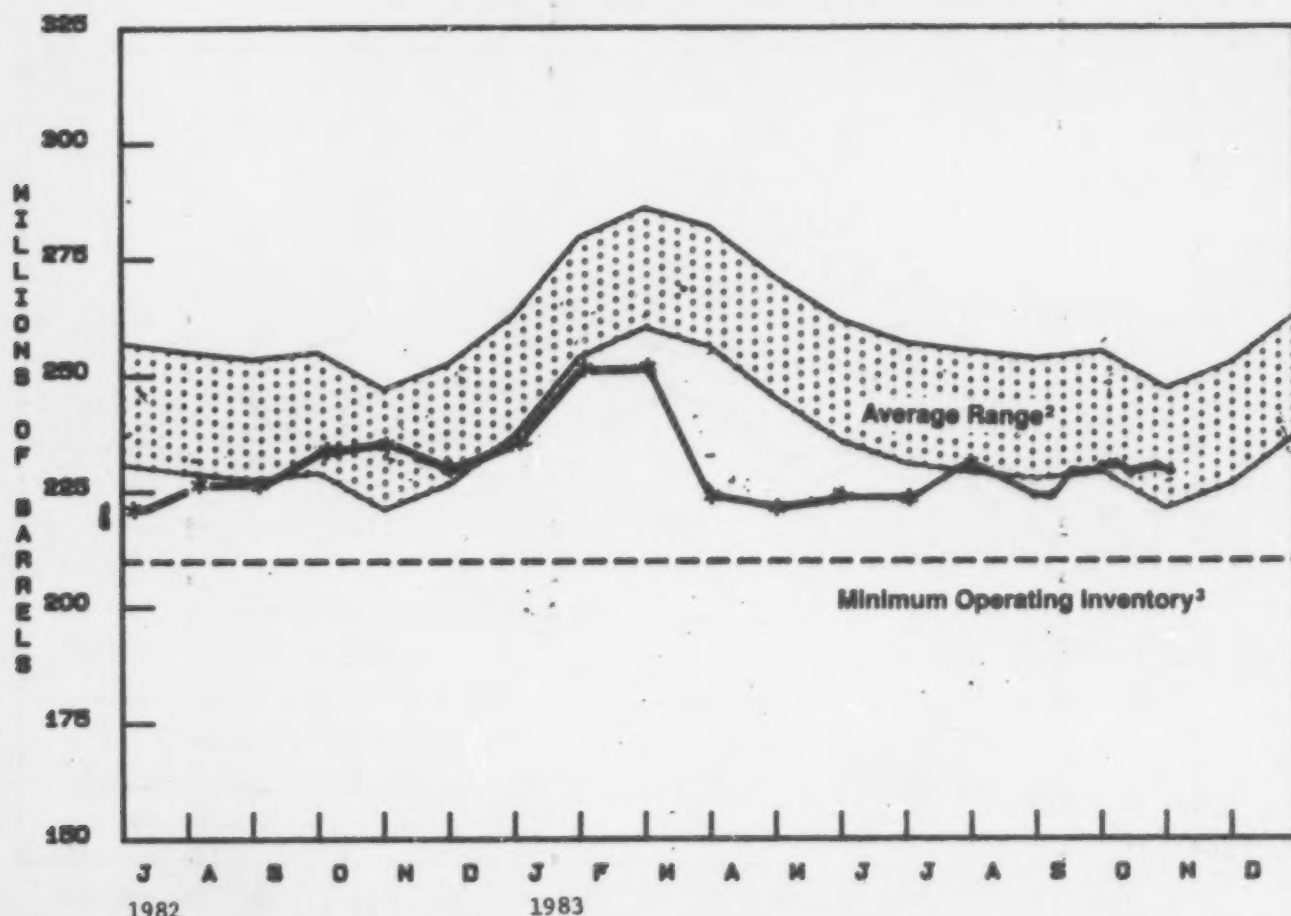
²Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

³The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

⁴Source: *— EIA, Energy Data Reports, "Petroleum Statement."
— API, "Weekly Statistical Bulletin."

⁵The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Motor Gasoline Stocks at Primary Level^{1 5}



¹Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

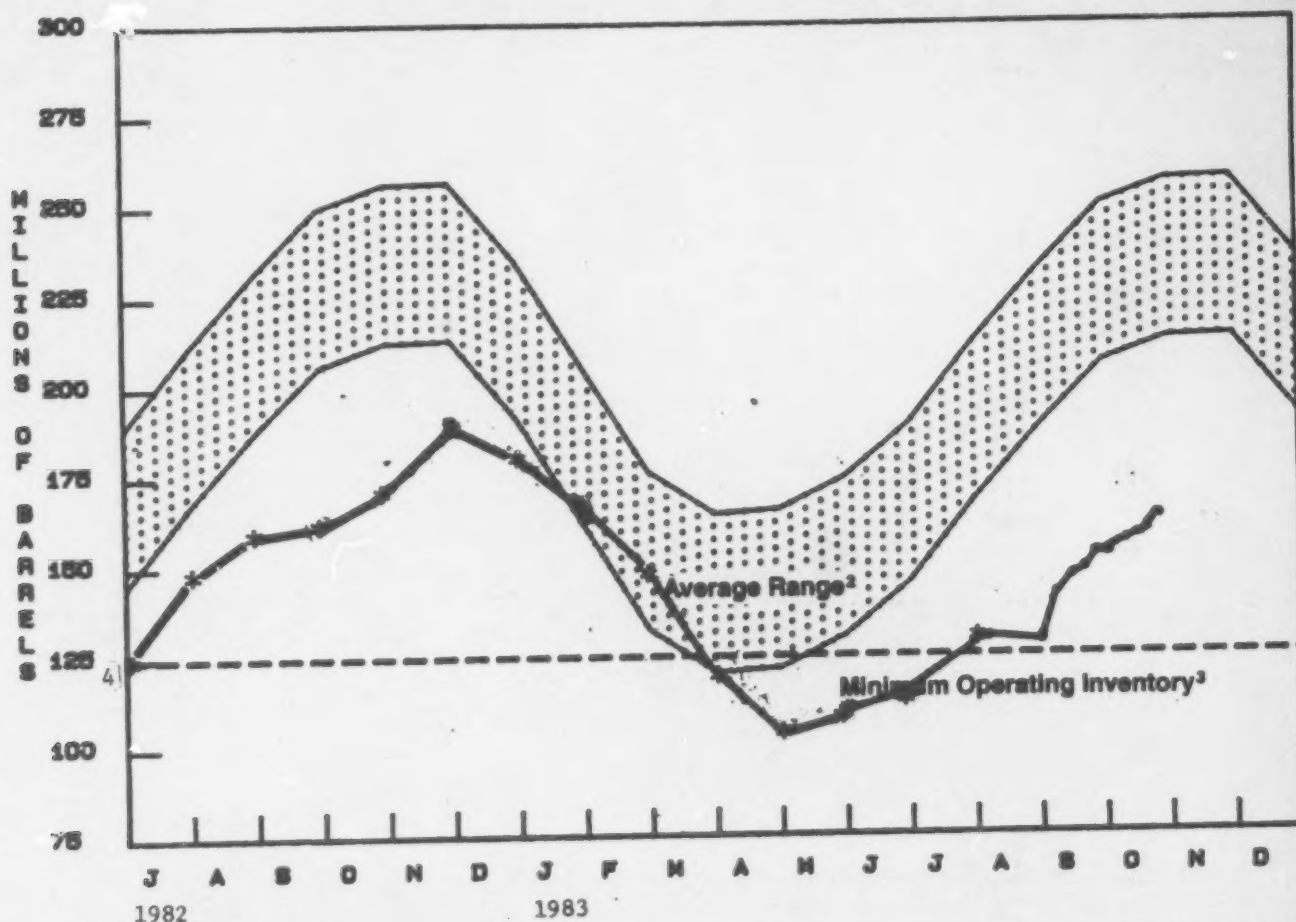
²Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

³The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

⁴Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
 •— API, "Weekly Statistical Bulletin."

⁵The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Distillate Fuel Oil Stocks at Primary Level^{1 5}



¹Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

²Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

³The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

⁴Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
 ●— API, "Weekly Statistical Bulletin."

⁵The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating unit and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.